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## Works cited

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**Adobe Systems Inc.**, PDF Reference, 5th edition. Available online at:  
[http://partners.adobe.com/public/developer/pdf/index\\_reference.html](http://partners.adobe.com/public/developer/pdf/index_reference.html)

**Adobe Systems Inc.**, The Adobe Postscript Reference Manual, 3rd edition. Available online at: [http://partners.adobe.com/public/developer/ps/index\\_specs.html](http://partners.adobe.com/public/developer/ps/index_specs.html)

**Adobe Systems Inc.**, Illustrator, software product  
— <http://www.adobe.com/illustrator>

**AliasWavefront**, Maya, software product — <http://www.aw.com>.

**Apple Computer, Inc.**, Keynote, software product  
— <http://www.apple.com/keynote>

**Aquinas, T.** Summa Theologica.

**Autodesk / Discreet**, 3D Studio Max, software product  
— <http://www.discreet.com/3dsmax>

**Autodesk / Discreet**, Character Studio, software product  
— <http://www.discreet.com>

**The Apache project**, Excalibur project, open source software,  
<http://excalibur.apache.org/>

**Apache Jarkarta**, The HiveMind project  
<http://jakarta.apache.org/hivemind/ioc.html>

**Aristotle**, Poetics (1449b-1450a).

**AspectJ project**, open source software, <http://eclipse.org/aspectj>

**Blumberg, B., M. Downie, Y. Ivanov, M. Berlin, M. P. Johnson, B. Tomlinson**, Integrated learning for interactive synthetic characters. SIGGRAPH 2002. Proceedings of the 29th

**Badler, N., C. Phillips, B. Webber**, Simulating Humans: Computer Graphics, Animation, and Control. Oxford University Press, 1993.

**Bates, J., A. B. Loyall, W. Scott Reilly**, An Architecture for Action, Emotion and Social Behavior. Technical Report CMU-CS-92-144, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA. May 1992.

**Bates, J.** The Nature of Character in Interactive Worlds and The Oz Project, Technical Report CMU-CS-92-200, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA. October 1992.

**Bedau, M.** Artificial Life VII: Looking Backward, Looking Forward. Artificial Life 6: 261-264 (2000)

**Belongie, S., J. Malik, J. Puzicha**, Shape Matching and Object Recognition Using Shape Contexts, IEEE Transactions on Pattern Analysis and Machine Intelligence, 24 (4), 2002.

**Bencina, R.** The Metasurface — Applying Natural Neighbour Interpolation to Two-to-Many Mapping, Proceedings of the 2005

- conference on New Interfaces for Musical Expression, Vancouver, Canada.
- Benjamin, W.** On the Mimetic Faculty, In: Reflections, P. Demetz (ed.), Harvest / HBJ, 1978.
- Bezdek, J. C.** Fuzzy Mathematics in Pattern Classification. Ithaca, NY: Cornell University; 1973.
- Bishop, C. M.** Neural networks for pattern recognition, Claredon Press, Oxford. 1995.
- Blackwell, A. F. , K. N. Whitley, J. Good, M. Petre,** Cognitive Factors in Programming with Diagrams. Artificial Intelligence Review 15: 95-114, 2001.
- Blumberg, B. M.** Old Tricks, New Dogs: Ethology and Interactive Creatures. Media Laboratory. PhD Thesis. MIT. 1996.
- Blumberg, B.** Action-selection in hamsterdam: lessons from ethology. Proceedings of the third international conference on Simulation of adaptive behavior, Brighton UK. 1994.
- Blumberg, B.** Swamped! Using plush toys to direct autonomous animated characters. Proceedings of SIGGRAPH 98: conference abstracts and applications., ACM Press, 1998.
- Blumberg, B. (void\*):** A Cast of Characters. Proceedings of SIGGRAPH 99: conference abstracts and applications. ACM Press, 1999.
- Boulanger, R. (ed.)** The Csound Book: Perspectives in Software Synthesis, Sound Design, Signal Processing and Programming, MIT Press, 2000.
- Boulez, P.** Le Pays Fertile: Paul Klee, Editions Gallimards, Paris, 1989.
- Breazeal, C.** Sociable Machines: Expressive Social Exchange Between Robot and Human. Artificial Intelligence Laboratory. Cambridge, MA, MIT. 2000.
- Breazeal, C., D. Buchsbaum, J. Gray, D. Gatenby, B. Blumberg,** Learning From and About Others: Towards Using Imitation to Bootstrap the Social Understanding of Others by Robots. Artificial Life, 11 (1), 2005.
- Breazeal, C.** A Motivational System for Regulating Human-Robot Interaction, Proceedings of AAAI-98.
- Brooks, R.** Intelligence without Reason, MIT AI Lab Memo 1293.
- Brooks, R. , C. Breazeal , R. Irie, C. C. Kemp, M. Marjanovic,** Brian Scassellati, Matthew M. Williamson, Alternative Essences of Intelligence, Proceedings of the American Association of Artificial Intelligence 1998, AAAI Press, CA.
- Brooks, R.** Elephants don't play chess, Robotics and Autonomous Systems 6 (1990) 3-15,
- Brooks, R.** Intelligence without Representation, Artificial Intelligence, 47 (1991) 139-159.
- Brooks, R.** Challenges for Complete Creature Architectures, In Proceedings of the first international conference on simulation of adaptive behavior, Paris, France, 1991.
- Brooks, R.** Elephants don't play chess, Robotics and Autonomous Systems 6 (1990) 3-15,
- Brooks, R.** How To Build Complete Creatures Rather Than Isolated Cognitive Simulators, in: Architectures for Intelligence, K. VanLehn (ed), Erlbaum, Hillsdale, NJ, Fall 1989, pp. 225-239.
- Buckland, M.** Programming Game AI by Example, Wordware Publishing , 2004.

- Burke, R. , D. Isla, M. Downie, Y. Ivanov, B. Blumberg**, CreatureSmarts: The Art and Architecture of a Virtual Brain. Proceedings of the Game Developers Conference: 147-166. 2001.
- Burtner, M.** The Metasaxophone: concept, implementation, and mapping strategies for a new computer music instrument. *Organised Sound* 7(2): 2002.
- Buschmann, F. , R. Meunier, H. Rohnert, P. Sommerlad, M. Stal.** Pattern-Oriented Software Architecture: A System Of Patterns. West Sussex, England: John Wiley & Sons Ltd., 1996.
- Calvert, T. W. , A. Bruderlin, S. Mah, T. Schiphorst, C. Welman**, The Evolution of an interface for choreographers. *Interchi'93 — ACM Press*, April 1993.
- Cage, J.** *Notations*, Something Else Press, 1969.
- Cage, J.** *Silence*, Wesleyan University Press, 1961.
- Cassell, J. , H. H Vilhjálmsón, T. Bickmore**, BEAT: The Behavior Expression Animation Toolkit. In: SIGGRAPH 2001, International Conference on Computer Graphics and Interactive Techniques. Proceedings of the 28th annual conference on Computer graphics and interactive techniques, ACM, 2001.
- Cassell, J. , T. Bickmore, M. Billinghurst, L. Campbell, K. Chang, H. Vilhjálmsón, H. Yan**, Embodiment in Conversational Interfaces: Rea. Proceedings of the CHI'99 Conference. 1999.
- Cemgil, A. T.** Bayesian Music Transcription, PhD dissertation, Radboud University of Nijmegen, 2004.
- Chadabe, J.** The Limitations of Mapping as a Structural Descriptive in Electronic Instruments. Proceedings of New Instruments For Musical Expression, Dublin.
- Connell, J. H.** A colony architecture for an artificial creature, MIT Ph.D. Thesis in Electrical Engineering and Computer Science, MIT AI Lab Tech Report 1151 (June 1989).
- Cont , A. , T. Coduys , C. Henry**, Real-time Gesture Mapping in Pd Environment using Neural Networks. Proceedings of the 2004 Conference on New Interfaces for Musical Expression.
- Cook, P.** Principles for Designing Computer Music Controllers, ACM CHI Workshop in New Interfaces for Musical Expression (NIME), Seattle, April, 2001.
- Cooper, S., W. Dann, R. Pausch** Teaching Objects—first in Introductory Computer Science, Proceedings of SIGCSE 2003
- Copeland, R.** *Merce Cunningham: the Modernizing of Modern Dance*, Routledge, 2004.
- Cope, D.** *Virtual Music, Computer Synthesis of Musical Style*, MIT Press, Cambridge MA. 2001.
- Cunningham, M., D. Vaughan**, *Other animals: Drawings and Journals*. Aperture, New York, 2002.
- Cycling'74 / Ircam**, *Max/MSP/Jitter*, software product — <http://www.cycling74.com>
- Cytowic, R. E.** *Synesthesia: A Unity of the Senses*, New York: Springer-Verlag, 1989.
- Dannenberg, R.** Dynamic Programming for Interactive Music Systems, in *Readings in Music and Artificial Intelligence*, E. R. Miranda, (ed.), Contemporary Music Studies series, Vol. 20, Harwood Academic Publishers, 2000.
- Debevec, P. , C. J. Taylor, J. Malik**, Modeling and Rendering Architecture from Photographs: A hybrid geometry- and image-based approach. In: SIGGRAPH 1996 International Conference on Computer

- Graphics and Interactive Techniques, Proceedings of the 23rd annual conference on Computer graphics and interactive techniques. ACM, 1996
- deLahunta, S.** Dialogues on Motion Capture, Proceedings of IDAT 1999.
- deLahunta, S.** Virtual Reality and Performance, PAJ: A Journal of Performance and Art 24.1 (2002) 105-114
- Deleuze, G.** Francis Bacon: the logic of sensation, D. W. Smith , T. Conley (trans), University of Minnesota Press, 2003.
- Deloura, M.** Game Programming Gems 1-3, Charles River Media, Cambridge, MA, 2000-2.
- Desain, P., H. Honing.** Letter to the editor: the mins of Max. Computer Music Journal, 17(2). 1993.
- Dobrian, C. , F. Bevilacqua,** Gestural Control of Music Using the Vicon 8 Motion Capture System. Proceedings of the 2003 Conference on New Interfaces for Musical Expression.
- Downie, M.** behavior, animation, music: the music and movement of synthetic characters. S. M. Thesis, January, 2000.
- Eberly, D. H.** 3D Game Engine Architecture : Engineering Real-Time Applications with Wild Magic, Morgan Kaufmann, 2004.
- Eberly, D.H.** 3D Game Engine Design : A Practical Approach to Real-Time Computer Graphics, Morgan Kaufman, 2000.
- Eberly, D. H.** Wild Magic, graphics and algorithms library: <http://www.geometrictools.com>
- Eck, D., J. Schmidhuber,** Finding Temporal Structure in Music: Blues Improvisation with LSTM Recurrent Networks. H. Boulard, editor, Neural Networks for Signal Processing XII, Proceedings of the 2002 IEEE Workshop. 747-756, New York, IEEE, 2002.
- Eco, U.** The Open Work, A. Cancogni (trans.) Harvard, 1999.
- Elrad, T. , R. E. Filman, A. Bader,** Aspect Oriented Programming : Introduction, Communications of the ACM, October 2001.
- Evangelista, G.** Flexible Wavelets for Music Signal Processing. Journal of New Music Research, 30 (1). 2001.
- Farbood, M. , B. Schonert.** Analysis and Synthesis of Palestrina-Style Counterpoint Using Markov Chains, Proceedings of International Computer Music Conference. Havana, Cuba. 2001.
- Fernández-Madriral, J-A., J. González,** Multihierarchical Graph Search. IEEE Transactions on Pattern Analysis and Machine Intelligence, 24 (1), January 2002.
- Forgy, C.L. ,** Rete: A Fast Algorithm for the Many Pattern/Many Object Pattern Match Problem, Artificial Intelligence, 19, 1982
- Forsythe, W.** quoted in T. Ozaki, (P. Vigilio trans.), An Interview with William Forsythe. Previously available online: <http://frankfurt-ballett.de/articles2.html> however, since the dissolution of the Ballett Frankfurt, this paper is currently available through the internet archive: <http://web.archive.org>
- Forsythe, W.** quoted in T. Ozaki, (P. Vigilio trans.), An Interview with William Forsythe. (availability as above).
- Friedman, D. P. , M. Wand, C. T. Hayes,** Essentials of Programming Languages. MIT Press, 2001.
- Fry, B., C. Reas:** Processing, programming language, <http://www.processing.org>
- Fry, C., M. Plusch,** Water, programming language, <http://www.waterlanguage.org/>

- Gamma, E. , R. Helm, R. Johnson, J. Vlissides**, Design Patterns, Elements of reusable object oriented software. Addison-Wesley, 1995.
- Garnett, G. , C. Goudeseune**. Performance Factors in Control of High-Dimensional Spaces. Proceedings of the International Conference on Computer Music. 1999. San Francisco, International Computer Music Association.
- Gaye, L. , R. Mazé, L. E. Holmquist**, Sonic City: The Urban Environment as a Musical Interface, Proceedings of the 2003 Conference on New Interfaces for Musical Expression.
- Glassner, A.** Principles of Digital Image Synthesis. Morgan Kaufmann Publishers, Inc., San Francisco, 1995.
- Glinert, E. P.** Visual Programming Environments: Applications and Issues & Paradigms and Systems. IEEE Computer Society Press, 1990.
- Goldberg, A.** Improv: A System for Real-Time Animation of Behavior-Based Interactive Synthetic Actors. In Lecture Notes in Artificial Intelligence, Vol 1195, R. Trappl P. Petta (Eds.), 1997.
- Golub, G H., C F. Van Loan**, Matrix computations, second edition, The Johns Hopkins University Press, 1989.
- Golub, G. H. , P. Comon**, Tracking a few extreme singular values and vectors in signal processing Proceedings of the IEEE Volume 78, Issue 8, Aug., 1990.
- Gosling, J. , B. Joy, G. L. Steele Jr., G. Bracha**, The Java Language Specification, 3rd edition, Addison-Wesley, 2005.
- Gosling, J.** The Jackpot project, <http://today.java.net/jag/page15.html>
- Grand, S. , D. Cliff, A. Malhotra**, Creatures: artificial life autonomous software agents for home entertainment. Proceedings of the first international conference on Autonomous agents, ACM, 1997.
- Gratch, J. , J. Rickel, E. Andre, N. Badler, J. Cassell, E. Petajan**. Creating interactive virtual humans: Some assembly required. IEEE Intelligent Systems, 2002.
- Gray, J. ,** *Goal and Action Inference for Helpful Robots Using Self as Simulator*, Masters of Science thesis, Media Arts and Sciences. MIT. 2004.
- Hayes-Roth, B.** A Blackboard Architecture for Control, Artificial Intelligence, 1985.
- Hewitt, D. , I. Stevenson**, E-mic: Extended Mic-stand interface controller, Proceedings of the 2003 Conference on New Interfaces for Musical Expression.
- Hiller, L., L. Isaacson**, Musical Composition with a High-Speed Digital Computer. Journal of the Audio Engineering Society. 1958.
- Hodgins, J. K. , J. F. O'Brien, J. Tumblin**, Judgments of Human Motion with Different Geometric Models, Transactions on Visualization and Computer Graphics, 4 (4), December 1998
- Hoskinson, R. , K. van den Doel, S. Fels**, Real-time Adaptive Control of Modal Synthesis, Proceedings of the 2003 Conference on New Interfaces for Musical Expression.
- Hough, P.V.C.** Machine Analysis of Bubble Chamber Pictures, International Conference on High Energy Accelerators and Instrumentation, CERN, 1959.
- Hunt, A. , M. M. Wanderley, M. Paradis**, The importance of parameter mapping in electronic instrument design. Journal of New Music Research 23(4) 2003.

- Huttenlocher, D.P. , W.J. Rucklidge**, A multi-resolution technique for comparing images using the Hausdorff distance", Proceedings of Computer Vision and Pattern Recognition, 1993.
- Iazzetta, F.** Meaning in Musical Gesture, in: Trends in Gestural Control of Music, M. M. Wanderly and M. Battier (eds.) IRCAM, 2000.
- Infomus Lab**, eyes-web, software product  
— <http://www.infomus.dist.unige.it/eywindex.html>
- IRCAM**, j-max, open source software product  
— <http://freesoftware.ircam.fr/>
- Isla, D.** The Virtual Hippocampus: Spatial Common Sense for Synthetic Creatures S.M. Thesis, MIT. 2001.
- Isla, D., R. Burke, M. Downie, B. Blumberg.** A Layered Brain Architecture for Synthetic Creatures. Proceedings of the International Joint Conferences on Artificial Intelligence (IJCAI). 2001.
- Jackendoff, R.** A comparison of rhythmic structures in music and language. In P. Kiparsky and G. Youmans (eds.) Phonetics and Phonology, Vol. 1. Rhythm and Meter (pp. 15-44), Academic Press, New York . 1990.
- The **Jaxen XPath engine**, open source software  
— <http://jaxen.org/faq.html>
- Johansson, G.** Visual perception of biological motion and a model for its analysis. Perception and Psychophysics, 14: pp. 201-211. 1973.
- Jones, B. T.** (with P. Gillespie), Last Night On Earth, Pantheon, 1997.
- Jython**, programming language implementation,  
— <http://www.jython.org>
- Kaelbling, L.P. , S. Rosenschein**, Action and Planning in Embedded Agents, In: Designing Autonomous Agents: Theory and Practice from Biology to Engineering and Back, edited by P. Maes, MIT Press/Bradford Books, 1990.
- Kaiser, P.** in Performance Research, 4 (2), Summer 1999. Available online at: <http://www.kaiserworks.com/ideas/forsythe1.htm>
- Kaiser, P. , S. Eshkar**, Ghostcatching, installation, 1997.
- Kaltenbrunner, M. G. Geiger, S. Jordà**, Dynamic Patches for Live Musical Performance, Proceedings of the 2004 Conference on New Interfaces for Musical Expression.
- Klee, P.** The Thinking Eye, George Wittenborn, NY, 1961.
- Kohonen, T.** Self-Organizing Maps. Springer Series in Information Sciences, Vol. 30, Springer, Berlin, Heidelberg, New York, 1995.
- Kovar, L., M. Gleicher, F. Pighin**, Motion Graphs. 2002. Proceedings of the 29th annual conference on Computer graphics and interactive techniques, ACM, 2002.
- Kovar, L., M. Gleicher**, Automated Extraction and Parameterization of Motions in Large Data Sets. Transactions on Graphics, 23, 3. SIGGRAPH 2004.
- Kruskal, J. B.** On the shortest spanning subtree of a graph and the traveling salesman problem. Proceedings of the American Mathematical Society 7(1) 1956.
- Kruskal, J. B., M. Wish.** Multidimensional Scaling. Sage Publications. Beverly Hills. CA. 1977
- Kuhn, H. W.** The Hungarian Method for the Assignment Problem, Naval Research Logistics Quarterly, Vol. 2, 1955, pp. 83-97.
- Langton C. G.** (ed.), Artificial Life, Addison-Wesley, CA, 1989.

**Laird, J. E.** It knows what you're going to do: adding anticipation to a Quakebot, International Conference on Autonomous Agents, Proceedings of the fifth international conference on Autonomous agents, 2001.

**Latombe, J.C.** Robot Motion Planning. Kluwer Academic Publishers, Boston, MA, 1991.

**Lerdhal, F. , R. Jackendoff,** A Generative Theory of Tonal Music, Cambridge, MA, MIT Press, 1983.

**Lesschaeve, J. (ed)** The Dancer and the Dance, Merce Cunningham in conversation with Jacqueline Lesschaeve. Marion Boyars, New York, 1985.

**Levin G., Z. Liberman,** The manual input sessions, performance, 2004.

**Lewis, G.** Interacting with Latter-Day Musical Automata. Contemporary Music Review 18/3 (1995): 99-112.

**Lewis, J. P., M. Cordner, N. Fong,** Pose Space Deformations: A Unified Approach to Shape Interpolation and Skeleton-Driven Deformation. In Proceedings of ACM SIGGRAPH, Computer Graphics Proceedings, Annual Conference Series. 2000.

**Lyons, M. J. , M. Haehnel, N. Tetsutani.** Designing, Playing, and Performing with a Vision-based Mouth Interface, Proceedings of the 2003 Conference on New Interfaces for Musical Expression.

**Machover, T.** Jeux Duex for Hyperpiano and Orchestra, Musical Score, Boosey & Hawkes, New York. 2005.

**Maeda, J.** Drawing By Numbers, MIT Press, 2001.

**Maes, P.** Modeling Adaptive Autonomous Agents, Artificial Life, 1 (1), 1994. pp. 135-62.

**Mandelis, J., P. Husbands,** Don't Just Play it, Grow it! : Breeding Sound Synthesis and Performance Mappings. In: Proceedings of the 2004 conference on New Interfaces for Musical Expression, Hammamatsu, Japan.

**Markosian, L. , M. A. Kowalski, S. J. Trychin, L. D. Bourdev, D. Goldstein, J. F. Hughes.** Real-Time Nonphotorealistic Rendering, In: SIGGRAPH 1997 International Conference on Computer Graphics and Interactive Techniques, Proceedings of the 24rd annual conference on Computer graphics and interactive techniques. ACM, 1997.

**Marler, P.** Song-learning behavior. The interface with neuroethology. Animal Behavior Vol. 30 pp. 479-82, 1991.

**Marler, P.** Three models of song learning: evidence from behavior, J. Neurobiology, 33:501-516. 1997.

**Marler, P.** Origins of music and speech: insights from animals. in: N. L. Wallin, B. Mallin, and S. Brown, The Origins of Music. The MIT Press, Cambridge, MA. 1999.

**Marrin-Nakra, T.** Inside the Conductors Jacket: Analysis, Interpretation, and Musical Synthesis of Expressive Gesture. PhD Thesis. MIT, 2000.

**Marrin-Nakra, T.** Synthesizing expressive music through the language of conducting. Journal of New Music Research. 2002, 31 (1). 2001.

**Mateas, M.** An Oz-Centric Review of Interactive Drama and Believable Agents. Technical Report CMU-CS-97-156, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA. June 1997.

**Mateas, M.** Interactive Drama, Art, and Artificial Intelligence. Ph.D. Thesis. Carnegie-Mellon University, December, 2002.

- Mateas, M., A. Stern, Architecture, Authorial Idioms and Early Observations of the Interactive Drama Facade. Technical Report CMU-CS-02-198, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA. December 2002.
- Mathews, H. , A. Brotchie, The Oulipo Compendium, Atlas Press, 1998.
- Mattsson, M. , J. Bosch, M. E. Fayad, Framework integration problems, causes, solutions. Communications of the ACM, 42 (10). 1999.
- Maxis, The Sims, published by Electronic Arts. 2000-.
- McAuley, J. D. On the Perception of Time as Phase: Toward an Adaptive-Oscillator Model of Rhythm. Ph.D. thesis, Indiana University, 1995.
- McGregor, W. AtaXia, 2004.
- Mens, T. A state-of-the-art survey on software merging. IEEE Transactions on Software Engineering, 28(5), 2002.
- Merrill, D. Head-Tracking for Gestural and Continuous Control of Parameterized Audio Effects, Proceedings of the 2003 Conference on New Interfaces for Musical Expression.
- Meso, vvvv, software product — <http://vvvv.meso.net/>
- Microsoft Corp. DirectX, software API — <http://msdn.microsoft.com/directx/>
- Microsoft Corp. The rich text format — <http://msdn.microsoft.com/>
- Mignonneau, L., C. Sommerer, Creating Artificial Life for Interactive Art and Entertainment. Leonardo, Vol. 34, No. 4, pp. 303-307, 2001.
- Millennium Interactive Ltd. Creatures, 1996.
- Minsky, M. Society of Mind, Simon & Schuster, New York, 1988
- Minsky, M. , P. Singh, A. Sloman, The St. Thomas common sense symposium: designing architectures for human-level intelligence. The AI Magazine, Summer 2004.
- Minsky, M. Music, Mind, and Meaning, Computer Music Journal, Vol. 5, Number 3. 1981.
- Minsky, M. Semantic Information Processing, MIT Press, 1968.
- Minsky, M. A Framework for Representing Knowledge. MIT AI Lab, Memo 360, June 1974.
- Minsky, M. Emotion Machine, forthcoming.
- Miranda E. R. (ed.), Readings in Music and Artificial Intelligence. Routledge, 1999.
- Miranda, E. R. Regarding Music, Machines, Intelligence and the Brain: An Introduction to Music and AI. In E.R. Miranda (ed.) Readings in music and artificial intelligence, Hardwood Academic Publishers, 2000.
- Morita, T. , T. Kanade, A Sequential Factorization Method for Recovering Shape and Motion from Image Streams. IEEE Transactions on Pattern Analysis and Machine Intelligence, 19 (8), 1997.
- Muybridge, E. Animals in Motion, Dover, 1957.
- Nyman, M. Experimental Music: Cage and Beyond. 2nd ed. Cambridge, UK: Cambridge Univ. Press, 1999 (p. 4).
- Obermaier, K. Apparition, performance, 2004.
- Obermaier, K. Vivisector, performance, 2002.
- OpenGL ARB, OpenGL vertex blending — [http://oss.sgi.com/projects/ogl-sample/registry/ARB/vertex\\_blend.txt](http://oss.sgi.com/projects/ogl-sample/registry/ARB/vertex_blend.txt)

- Palacio-Quintin, C.** The Hyper-Flute, Proceedings of the 2003 Conference on New Interfaces for Musical Expression.
- Pelleg, D., A. Moore.** X-means: Extending K-means with efficient estimation of the number of clusters. In Proceedings of the 17th International Conference on Machine Learning, pages 727-734. Morgan Kaufmann, San Francisco, CA, 2000.
- Peretz, I.** Brain specialization for music : New evidence from congenital amusia. In: Biological foundations of music. Annals of the New York Academy of Sciences, 930, pp. 153-165, 2001.
- Perlin, K.** Real Time Responsive Animation with Personality, IEEE Transactions on Visualization and Computer Graphics, 1 (1), 1995.
- Perlin, K., A. Goldberg,** Improv — a system for scripting interactive actors in virtual worlds. In: SIGGRAPH 1996 International Conference on Computer Graphics and Interactive Techniques, Proceedings of the 23rd annual conference on Computer graphics and interactive techniques. ACM, 1996.
- Peitgen, H., H. Jurgens, D. Saupe,** Chaos And Fractals: New Frontiers of Science, Springer-Verlag, 1992.
- The **PicoContainer framework**, open source software, <http://www.picocontainer.org/>
- Pinhanez, C. S.** Computer theater. Technical Report 378, MIT Media Laboratory Perceptual Computing Section, May 1996.
- Porter, T., T. Duff.** Compositing digital images. Computer Graphics, 18 (3), July 1984.
- M. Pukette**, pd, open source software product  
— <http://www-crca.ucsd.edu/~msp/software.html>
- Python**, programming language, <http://www.python.org>
- Rabin, S.** AI Game Programming Wisdom 1-2, Charles River Media, Cambridge MA, 2002-3.
- Rabiner, L. R.** A tutorial on hidden Markov models and selected applications in speech recognition. Proceedings of the IEEE 77(2): 257-286, February 1989.
- The **revision control system**, open source software tool, <http://www.gnu.org/software/rcs/rcs.html>
- Reynolds, C.** An online resource for non-photorealist rendering techniques. <http://www.red3d.com/cwr/npr/>
- Rinaldo, K.** Technology Recapitulates Phylogeny: Artificial Life Art, Leonardo 31, No. 5, 371-376 (1998).
- Roads, C.** The Computer Music Tutorial. MIT Press, 1996.
- Ronald, E. M. A., M. Sipper, M. S. Capcarrere,** Design, Observation, Surprise! A Test of Emergence. Artificial Life 5: 225-239 (1999).
- Rose, C.** Verbs and Adverbs: Multidimensional Motion Interpolation Using Radial Basis Functions. Department of Computer Science. Princeton, NJ, Princeton University. 1999.
- Rost, R. J.** OpenGL Shading Language, Addison-Wesley, 2002.
- Roubaud, J.** Mathematics in the Method of Raymond Queneau, reprinted in: W. F. Motte Jr (trans., ed.), Oulipo a primer of potential literature, University of Nebraska Press, 1986.
- Rowe, R.** Interactive Music Systems: Machine Listening and Composing, MIT Press, Cambridge MA, 1992.
- Saul, L. K., D. D. Lee, C. L. Isbell, Y. LeCun,** Real time voice processing with audiovisual feedback : toward autonomous agents with perfect pitch, Advances in Neural Information Processing Systems 15. NIPS 2002.

- Shao, W., V. Ng-How-Hing.** A general joint component framework for realistic articulation in human characters. In ACM SIGGRAPH 2003 Symposium on Interactive 3D Graphics.
- Sims, K.** Artificial Evolution for Computer Graphics. in Computer Graphics, 25(4), July 1991.
- Sims, K.** Evolving 3D Morphology and Behavior by Competition. In: Artificial Life IV Proceedings, R. Brooks & P. Maes (eds.), MIT Press, 1994.
- SoftImage Corp.** XSI, software product  
—<http://www.softimage.com/products/behavior/v2/default.asp>
- Sommerer, C., L. Mignonneau,** Art as a Living System: Interactive Computer Artworks. Leonardo, Vol. 32, No. 3, pp. 165-173, 1999.
- Sparacino, F. G. Davenport, A. Pentland,** Media in performance: Interactive spaces for dance, theater, circus, and museum exhibits. IBM Systems Journal, 39 (3&4), 2000.
- The **Spring framework**, open source software,  
<http://www.springframework.org/>
- Starr, F.** (ed.) Changes: Notes on Choreography, Something Else Press, New York, 1968.
- Steele, G. L.** Common LISP: The Language, Bedford: Digital Press, 1990.
- Steele, G. L.** Growing a Language, Journal of Higher-Order and Symbolic Computation 12(3) 1999.&#xA0;
- Steel, G. L., G. J. Sussman,** The Revised Report on SCHEME, MIT AI Lab Memo 452. 198.
- Strassmann, S.** Hairy Brushes. In SIGGRAPH 1986 International Conference on Computer Graphics and Interactive Techniques, Proceedings of the 13rd annual conference on Computer graphics and interactive techniques. ACM, 1986.
- Stauffer, D., A. Arahony,** Introduction to Percolation Theory, Taylor & Francis. 2001.
- Strothotte, T., S. Schlechtweg,** Non-Photorealistic Computer Graphics: Modeling, Rendering and Animation. Morgan Kauffman, 2002.
- Sulcas, R.** William Forsythe: The poetry of disappearance and the great tradition. previously available online: <http://frankfurt-ballett.de/articles2.html> however, since the dissolution of the Ballett Frankfurt, this paper is currently available through the internet archive: <http://web.archive.org>
- Sutherland, I.** Sketchpad : a Man-Machine graphical communication system, Annual ACM IEEE Design Automation Conference, 1964.
- Sutton, R. S., A. G. Barto,** Reinforcement Learning, MIT Press, 1998
- Sylvester, D.** Interviews with Francis Bacon, Thames-Hudson, 1975.
- Teicher H.** (ed.) Trisha Brown: Dance and Art in Dialogue. MIT Press, Cambridge, MA, 2002.
- Temperly, D.** The Cognition of Basic Musical Structures, MIT Press, 2001.
- Thorpe, W. H.** Bird-song; the biology of vocal communication and expression in birds. Cambridge University Press, Cambridge, UK. 1961.
- Todd, P. M., G.M. Werner,** Frankensteinian methods for evolutionary music composition. In: N. Griffith and P.M. Todd (eds.), Musical networks: Parallel distributed perception and performance Cambridge, MA: MIT Press/Bradford Books 1999.

- Todd, P.M., D.G. Loy (Eds.) Music and Connectionism. Cambridge, MA, MIT Press 1991.
- Tomlinson, B., Synthetic Social Relationships for Computational Entities. PhD Thesis, MIT, June 2002.
- Trehub, S. E. , E. G. Schellenberg, D. S. Hill, Music perception and cognition: A developmental perspective. In: I. Deliége, and J. A. Sloboda, Music perception and cognition. Psychology Press, Sussex, UK. 1997
- Troika Ranch, Future of Memory, performance, 2003.
- Troikatronix, Isadora, software product — <http://www.troikatronix.com>
- Vaughan, D., Merce Cunningham: 50 Years, Aperture, New York, 1999.
- Vercoe, B. , M. Puckette. Synthetic Rehearsal: Training the Synthetic Performer. Proceedings of the 1985 International Computer Music M. Isard and A. Blake, Condensation — conditional density propagation for visual tracking. International Journal Computer Vision, 29, 1, 1998
- Viterbi, A. J. Error bounds for convolutional codes and an asymptotically optimum decoding algorithm. IEEE Transactions on Information Theory 13(2):260-267, April 1967.
- Wall, L. , T. Christiansen, J. Orwant, Programming Perl, O'Reilly, 2000.
- Wallin, N. L., B. Mallin, S. Brown, The Origins of Music. The MIT Press, Cambridge, MA. 1999.
- Wessel, D. , M. Wright, Problems and Prospects for Intimate Musical Control of Computers, Computer Music Journal, 26 (3), MIT Press, 2002.
- Whitelaw, M. Metacreation: Art and Artificial Life, MIT Press, Cambridge, MA, 2004.
- Whitelaw, M. The Abstract Organism: Towards a Prehistory for A-Life Art, Leonardo Vol. 34, No. 4, 2001.
- Winkler, T. Interactive Signal Processing for Acoustic Instruments, Proceedings of the 1991 International Computer Music Conference. San Francisco, International Computer Music Association.
- Winkler, T. Motion Sensing Music. Proceedings of the International Conference on Computer Music 1998, San Francisco, International Computer Music Association.
- Winkler, T. Making motion musical: Gesture Mapping Strategies for Interactive Computer Music. Proceedings of the 1995 International Computer Music Conference. San Francisco, International Computer Music Association, pp. 261-4.
- Winkler, T. , Live Video and Sound Processing for Dance. From Video, Technology and Performance Festival, Brown University April 4-5, 2003. Available online at: <http://www.brown.edu/Departments/Music/faculty/winkler/papers/>
- XML, a ubiquitous W3C committee standard — <http://www.w3.org/XML/>
- XPath, W3C specification — <http://www.w3.org/TR/xpath>
- S-Y. Yoon, B. Blumberg, G. Schneider, Motivation Driven Learning for Interactive Synthetic Characters. Proceedings of 4th Int'l. Conf. on Autonomous Agents. 2000.
- Zimmer, E., S. Quasha, Body against Body: The Dance and other collaborations with Bill T. Jones and Arnie Zane. Station Hill Press, New York, 1990.
- ZKM (Center for Art and Media Technology) / Ballett Frankfurt, Improvisation Technologies (CDROM), 1993.

**Zhang C., T. Chen** A survey on image-based rendering-representation, sampling and compression. In: Signal Processing: Image Communication, January 2004, 19, (1) , pp. 1-28